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| 10/692,032 | 10/23/2003 | Wei Wu | 224389 | 6451 |

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| EXAMINER |
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AHLUWALIA, NAVNEET K

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| ART UNIT | PAPER NUMBER |
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2166

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05/18/2007

PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary

Application No.

10/692,032

Applicant(s)

WU ET AL.

Examiner

Navneet K. Ahluwalia

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 16 March 2007.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 7 - 13, 15 and 25 - 36 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 7 - 13, 15 and 25 - 36 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

1. The application has been examined. Claims 7 – 13, 15 and 25 – 36 are pending in this office action.

Response to Arguments

2. Claims 7 – 13, 15 and 25 – 36 are pending in this Office Action. After a thorough examination of the present application, claims 7 – 13 and 15 remain rejected.
3. Applicant's arguments filed with respect to claims 7 – 13, 15 and 25 – 36 have been fully considered but they are not persuasive.

First, Applicant argues that there is no teaching in Watkins or Lo of a plurality of different language dependent resource files of a same language and usable by a plurality of different applications in a single compacted resource file.

In response to Applicant's argument, the Examiner submits Watkins in Figure 3 shows the representation of the resource file and all the information contained within it and clearly in Figure 3 there is resource information, resource file index and language index with different languages all stored in one compact resource file. Furthermore, Watkins teaches the part in the resource file contains all the language information contained within the tags distinguished from other languages by a language ID (see paragraphs 0074, 0081 – 0083, Watkins). Figure 3 illustrates different languages stored in the resource file and resource file is used by the applications.

Second, Applicant argues that there is no teaching in Watkins or Lo of a selection so that at least one compacted resource file is sized to be a multiple of a minimum memory allocation segment.

In response to Applicant's argument, the Examiner submits in Figure 3 and paragraph 0083, Watkins depicts the representation of the resource file and all the information contained in the allocated memory. Furthermore, Lo in column 41 lines 3 – 5 and column 42 lines 1 – 6 explain the size of the disk block allocated and used by the file. The minimum offset off the allocation of the header and kept track of using the pointer. Hence, Applicant's arguments do not distinguish the claimed invention over the prior art of record. In light of the foregoing arguments, the 103 rejections are sustained.

Claim Rejections - 35 USC § 103

4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

5. This application currently names joint inventors. In considering patentability of the claims under 35 U.S.C. 103(a), the examiner presumes that the subject matter of the various claims was commonly owned at the time any inventions covered therein were made absent any evidence to the contrary. Applicant is advised of the obligation under 37 CFR 1.56 to point out the inventor and invention dates of each claim that was not commonly owned at the time a later invention was made in order for the examiner to consider the applicability of 35 U.S.C. 103(c) and potential 35 U.S.C. 102(e), (f) or (g) prior art under 35 U.S.C. 103(a).

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6. Claims 7 – 13, 15 and 25 – 36 are rejected under 35 U.S.C. 103(a) as being unpatentable over Watkins et al. ('Watkins' herein after) (US 2004/0044953 A1) further in view of Lo et al. ('Lo' herein after) (US 5,758,347).

With respect to claim 7,

Watkins discloses a computer-readable medium having computer-executable instructions for creating a compacted resource file, the computer-executable instructions comprising instructions for:

- reading a control file, wherein the control file specifies a compacted resource file and a plurality of resource files that are to be compacted into the a compacted resource file (paragraph 0079 – 0080, Watkins), the plurality of resource files being language dependent resource files of a same language and being used by a plurality of different applications (Figure 3 and paragraph 0074, Watkins);
- reading the plurality of resource files that are to be compacted into the a compacted resource file, wherein the reading the plurality of resource files comprises reading header information from the plurality of resource files and reading resource information from the plurality of resource files (paragraph 0098, Watkins);
- storing the header information from the plurality of resource files into plurality of resource headers in the a compacted resource file (paragraph 0106, Watkins);

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- storing the resource information from the plurality of resource files into one or more resources in the a compacted resource file (paragraphs 0107 – 0108, Watkins);
- creating a compacted resource file header for the compacted resource file (paragraphs 0132 – 0133, Watkins), wherein the compacted resource file header corresponds to the resource headers and the resources one compacted resource file (paragraphs 0102 – 0103, Watkins); and
- storing the compacted resource file header with the compacted resource file for access by the plurality of different applications (paragraphs 0123 and 0125, Watkins).

Watkins however does not expressly disclose the creation of the compacted file as claimed.

Lo teaches the creation of the compacted file (column 10 lines 52 – 67 and column 11 lines 1 – 5, Lo).

It would have been obvious to one of ordinary skill in the art of data processing at the time of the present invention to combine the teachings of cited references because they are in the same field of invention of storage. Furthermore the creation of compact containers taught by Lo would save storage space because of compression with regards to Watkins file header (the containers are objects that hold objects and they map to the physical medium on which data is stored, column 5 lines 1 – 24, Lo).

7. Claims 8 – 13, 15 are rejected under the same rationale given for claim 7. The citations of the elements claimed and taught are listed below.

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With respect to claim 8,

Lo teaches determining a memory offset for the plurality of resources in the compacted resource file and storing the memory offset for the plurality of resources in the compacted resource file header (column 27 lines 33 – 49, Lo).

With respect to claim 9,

Lo teaches determining a memory offset for the one or more resources in the compacted resource file and storing the memory offset for the plurality of resources in the plurality of resource headers in the compacted resource file, the plurality of resource headers corresponding to the plurality of resources (column 27 lines 33 – 49, Lo).

With respect to claim 10,

Lo teaches wherein the computer-executable instructions for creating the compacted resource file further comprise instructions for storing padding preceding the resources in the at least one compacted resource file (column 40 lines 14 – 23 and column 41 lines 3 – 5, Lo).

With respect to claim 11,

Lo teaches wherein the control file is in a text format (column 3 lines 55 – 63, Lo).

With respect to claim 12,

Lo teaches wherein the computer-executable instructions for creating the compacted resource file further comprise instructions for terminating creation of the compacted resource file if the control file does not specify compacted resource file (column 12 lines 58 – 63, Lo).

With respect to claim 13

Watkins discloses wherein the plurality of resource files that are to be compacted into the compacted resource file are selected so that the compacted resource file is sized to be a multiple of a minimum memory allocation segment (Figure 3 and paragraph 0083, Watkins).

With respect to claim 15,

Watkins discloses wherein the plurality of resource files that are to be compacted into the compacted resource file are selected so that language dependent resources of the same language and corresponding to related language specific application components are compacted into the same compacted resource file (Figure 3 and paragraph 0100, Watkins).

With respect to claim 25,

Watkins discloses a method for creating a compacted resource file comprising:

- reading a control file, wherein the control file specifies a compacted resource file and a plurality of resource files that are to be compacted into the a compacted resource file (paragraph 0079 – 0080, Watkins), the plurality of

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resource files being language dependent resource files of a same language and being used by a plurality of different applications (Figure 3 and paragraph 0074, Watkins);

- reading the plurality of resource files that are to be compacted into the a compacted resource file, wherein the reading the plurality of resource files comprises reading header information from the plurality of resource files and reading resource information from the plurality of resource files (paragraph 0098, Watkins);
- storing the header information from the plurality of resource files into plurality of resource headers in the a compacted resource file (paragraph 0106, Watkins);
- storing the resource information from the plurality of resource files into one or more resources in the a compacted resource file (paragraphs 0107 – 0108, Watkins);
- creating a compacted resource file header for the compacted resource file (paragraphs 0132 – 0133, Watkins), wherein the compacted resource file header corresponds to the resource headers and the resources one compacted resource file (paragraphs 0102 – 0103, Watkins); and
- storing the compacted resource file header with the compacted resource file for access by the plurality of different applications (paragraphs 0123 and 0125, Watkins).

Watkins however does not expressly disclose the creation of the compacted file as claimed.

Lo teaches the creation of the compacted file (column 10 lines 52 – 67 and column 11 lines 1 – 5, Lo).

It would have been obvious to one of ordinary skill in the art of data processing at the time of the present invention to combine the teachings of cited references because they are in the same field of invention of storage. Furthermore the creation of compact containers taught by Lo would save storage space because of compression with regards to Watkins file header (the containers are objects that hold objects and they map to the physical medium on which data is stored, column 5 lines 1 – 24, Lo).

8. Claims 26 – 32 are rejected under the same rationale given for claim 25. The citations of the elements claimed and taught are listed below.

With respect to claim 26,

Lo teaches determining a memory offset for the plurality of resources in the compacted resource file and storing the memory offset for the plurality of resources in the compacted resource file header (column 27 lines 33 – 49, Lo).

With respect to claim 27,

Lo teaches determining a memory offset for the one or more resources in the compacted resource file and storing the memory offset for the plurality of resources in

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the plurality of resource headers in the compacted resource file, the plurality of resource headers corresponding to the plurality of resources (column 27 lines 33 – 49, Lo).

With respect to claim 28,

Lo teaches wherein creating the compacted resource file further comprise instructions for storing padding preceding the resources in the at least one compacted resource file (column 40 lines 14 – 23 and column 41 lines 3 – 5, Lo).

With respect to claim 29,

Lo teaches wherein the control file is in a text format (column 3 lines 55 – 63, Lo).

With respect to claim 30,

Lo teaches wherein creating the compacted resource file further comprise instructions for terminating creation of the compacted resource file if the control file does not specify compacted resource file (column 12 lines 58 – 63, Lo).

With respect to claim 31,

Watkins discloses wherein the plurality of resource files that are to be compacted into the compacted resource file are selected so that the compacted resource file is sized to be a multiple of a minimum memory allocation segment (Figure 3 and paragraph 0083, Watkins).

With respect to claim 32,

Watkins discloses wherein the plurality of resource files that are to be compacted into the compacted resource file are selected so that language dependent resources of the same language and corresponding to related language specific application components are compacted into the same compacted resource file (Figure 3 and paragraph 0100, Watkins).

With respect to claim 33,

Watkins discloses a system for creating a compacted resource file comprising:

- reading a control file, wherein the control file specifies a compacted resource file and a plurality of resource files that are to be compacted into the a compacted resource file (paragraph 0079 – 0080, Watkins), the plurality of resource files being language dependent resource files of a same language and being used by a plurality of different applications (Figure 3 and paragraph 0074, Watkins);
- reading the plurality of resource files that are to be compacted into the a compacted resource file, wherein the reading the plurality of resource files comprises reading header information from the plurality of resource files and reading resource information from the plurality of resource files (paragraph 0098, Watkins);

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- storing the header information from the plurality of resource files into plurality of resource headers in the a compacted resource file (paragraph 0106, Watkins);
- storing the resource information from the plurality of resource files into one or more resources in the a compacted resource file (paragraphs 0107 – 0108, Watkins);
- creating a compacted resource file header for the compacted resource file (paragraphs 0132 – 0133, Watkins), wherein the compacted resource file header corresponds to the resource headers and the resources one compacted resource file (paragraphs 0102 – 0103, Watkins); and
- storing the compacted resource file header with the compacted resource file for access by the plurality of different applications (paragraphs 0123 and 0125, Watkins).

Watkins however does not expressly disclose the creation of the compacted file as claimed.

Lo teaches the creation of the compacted file (column 10 lines 52 – 67 and column 11 lines 1 – 5, Lo).

It would have been obvious to one of ordinary skill in the art of data processing at the time of the present invention to combine the teachings of cited references because they are in the same field of invention of storage. Furthermore the creation of compact containers taught by Lo would save storage space because of compression with

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regards to Watkins file header (the containers are objects that hold objects and they map to the physical medium on which data is stored, column 5 lines 1 – 24, Lo).

9. Claims 34 – 36 are rejected under the same rationale given for claim 33. The citations of the elements claimed and taught are listed below.

With respect to claim 34,

Lo teaches determining a memory offset for the plurality of resources in the compacted resource file and storing the memory offset for the plurality of resources in the compacted resource file header (column 27 lines 33 – 49, Lo).

With respect to claim 35,

Lo teaches determining a memory offset for the one or more resources in the compacted resource file and storing the memory offset for the plurality of resources in the plurality of resource headers in the compacted resource file, the plurality of resource headers corresponding to the plurality of resources (column 27 lines 33 – 49, Lo).

With respect to claim 36,

Lo teaches wherein the resource tool is configured to create the compacted resource file storing padding preceding the resources in the at least one compacted resource file (column 40 lines 14 – 23 and column 41 lines 3 – 5, Lo).

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Contact Information

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Navneet K. Ahluwalia whose telephone number is 571-272-5636.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Alam T. Hosain can be reached on 571-272-3978. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Navneet

Navneet K. Ahluwalia
Examiner
Art Unit 2166

Dated: 05/14/2007

Hosain Alam

HOSAIN ALAM
SUPERVISORY PATENT EXAMINER